

***Leptospira licerasiae*, Strain MMD0835 (Serovar Varillal)**

Catalog No. NR-19886

Product Description: *Leptospira licerasiae* (*L. licerasiae*), strain MMD0835 (serovar Varillal) is an intermediately pathogenic strain that was isolated in January 2003 from the kidney of a gray four-eyed opossum (*Philander opossum*) in Loreto, Maynas, Iquitos, Peru.

Lot¹: 62710997

Manufacturing Date: 18JUL2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Spirochete Growth below the soft agar surface (Dinger's disk) Report results	Spirochete Growth below the soft agar surface (Dinger's disk) ² Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 950 base pairs)	Consistent with <i>L. licerasiae</i>	Consistent with <i>L. licerasiae</i> ³
Purity (post-freeze)⁴	No growth observed	No growth observed
Viability (post-vialing) Visual observation LIVE/DEAD [®] BacLight [™] Bacterial Viability	Growth Green fluorescence visible	Growth ² Green fluorescence visible (Figure 1) ⁵

¹NR-19886 was produced by inoculation of the deposited material into Ellinghausen-McCullough-Johnson-Harrison (EMJH) semisolid agar (0.15%) for 11 days at 30°C in an aerobic atmosphere. The material from the initial growth was passaged once in EMJH semisolid agar (0.15%) for 7 days under propagation conditions to produce this lot.

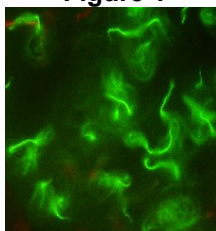
²Disk of dense growth below the soft agar surface (Dinger's disk) (Czekalowski, J. W., J. W. McLeod and J. Rodican. "The Growth and Respiration of *Leptospira* in Solid or Semi-Solid Media with Special Reference to Dinger's Phenomenon." *Br. J. Exp. Pathol.* 34 (1953): 588-595.) was evident after 6 days at 30°C in EMJH semisolid agar (0.15%).

³≥ 99% identical to *L. licerasiae*, strain MMD0835 (GenBank: AFLO01000035.1)

⁴Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

⁵Determined after 6 days incubation under cultivation conditions with LIVE/DEAD[®] BacLight[™] Bacterial Viability Kit, 100x magnification (Invitrogen[™] L34856). Cells with a compromised membrane that are dead or dying will stain red, while cells with an intact membrane will stain green.

Figure 1



Date: 15 APR 2015

Signature:

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